

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5633 - L2 Version 4
Chandra X-Ray Center

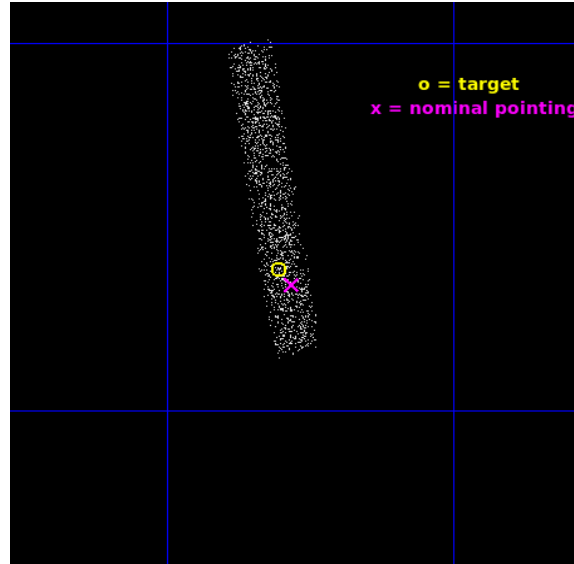
L2 Processing Date : Oct 7 2020

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1 Front

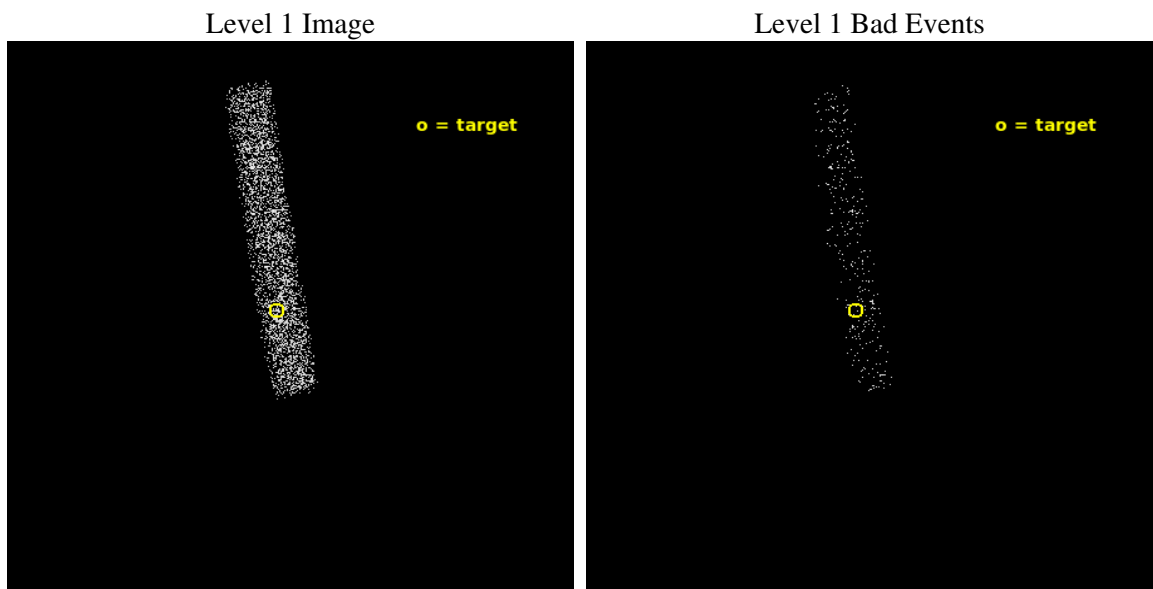
seq_num	701056	Sequence number
obs_id	5633	Observation id
title	Alpha Element Enrichment in Damped Lyman Alpha Absorbers: Survey for New Targets	Proposal title
observer	Dr. Jill Bechtold	Principal investigator
object	SDSS J101018.19+000351.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	152.575833	Observer's specified target RA [deg]
dec_targ	0.064167	Observer's specified target Dec [deg]
ra_nom	152.57040841731	Nominal RA [deg]
dec_nom	0.057076575328501	Nominal Dec [deg]
roll_nom	261.42819868733	Nominal Roll [deg]
revision	4	Processing version of data
ontime	3180.8000473678	Sum of GTIs [s]
livetime	2884.8177465698	Livetime [s]
ontime7	3180.8000473678	Sum of GTIs [s]
l2events	1808	Number of level 2 events



2 OBI

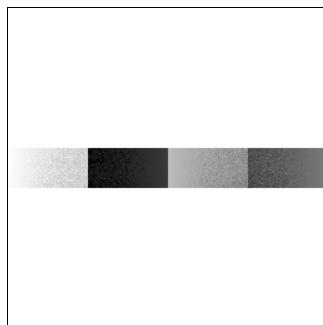
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	3180.8000473678	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	3180.8000473678	Sum of GTIs [s]
date	2020-10-07T16:21:55	Date and time of file creation	l1events	4805	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

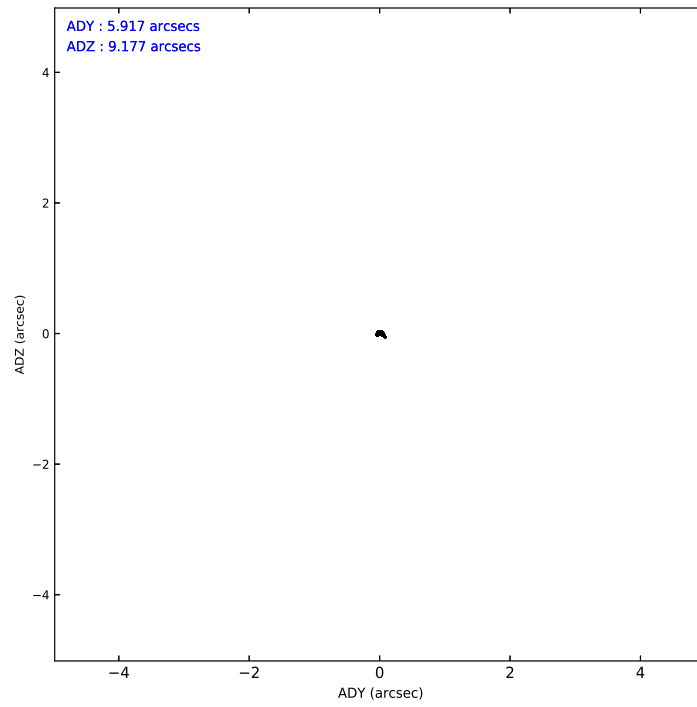
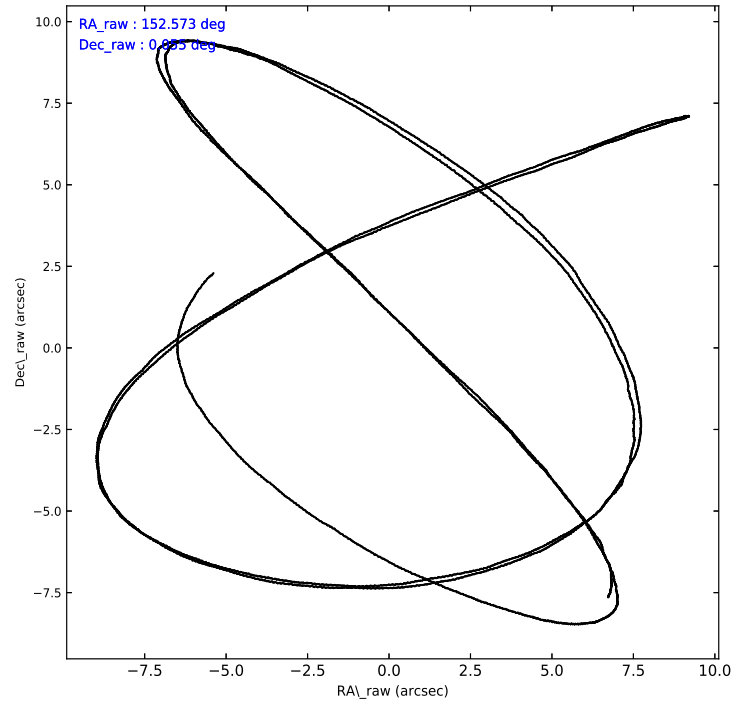
	ccd 7
level 1 events	4805
rejected events	2910
rejected %	60%

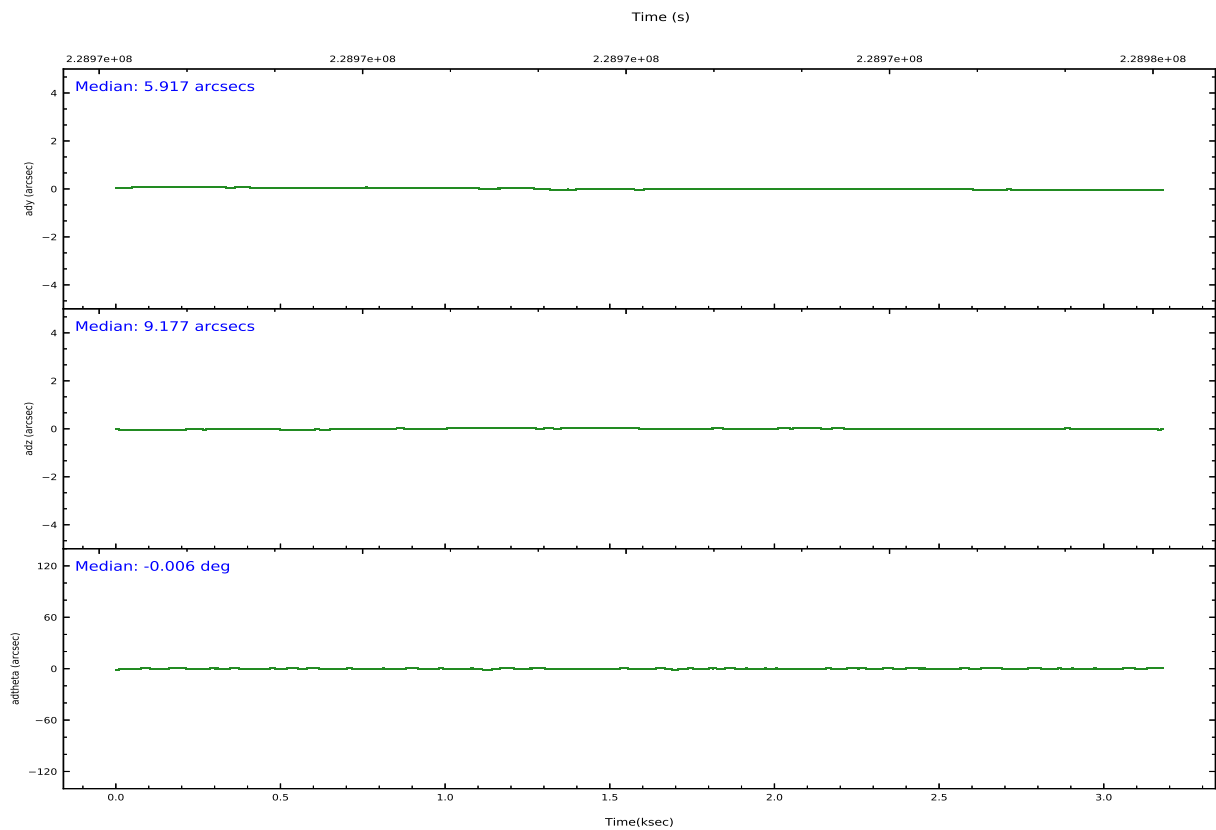
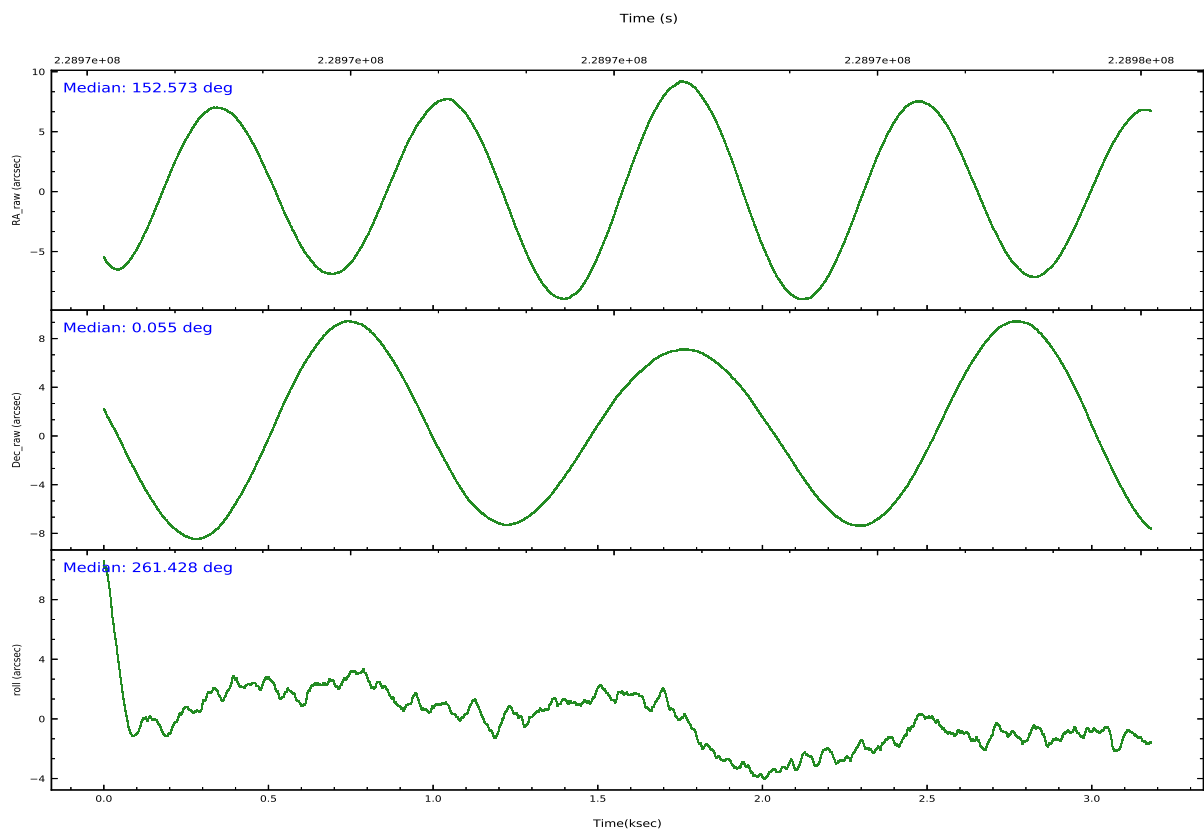
	ccd 7
grade 0 events	218
	4%
grade 1 events	7
	0%
grade 2 events	385
	8%
grade 3 events	277
	5%
grade 4 events	259
	5%
grade 5 events	484
	10%
grade 6 events	992
	20%
grade 7 events	2183
	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	152.562447	152.57040841731	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	0.080222	0.057076575328501	Subarray start row	449	449
[deg] Pointing Roll	261.273390	261.42819868733	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	228972231.184000	228971405.11356			
Observation start date	2005-04-04T03:22:47	2005-04-04T03:10:05			
[s] Observation end time (MET)	228975231.184000	228976045.80127			
Observation end date	2005-04-04T04:12:47	2005-04-04T04:27:25			
Read mode	TIMED	TIMED			

2.3 Aspect



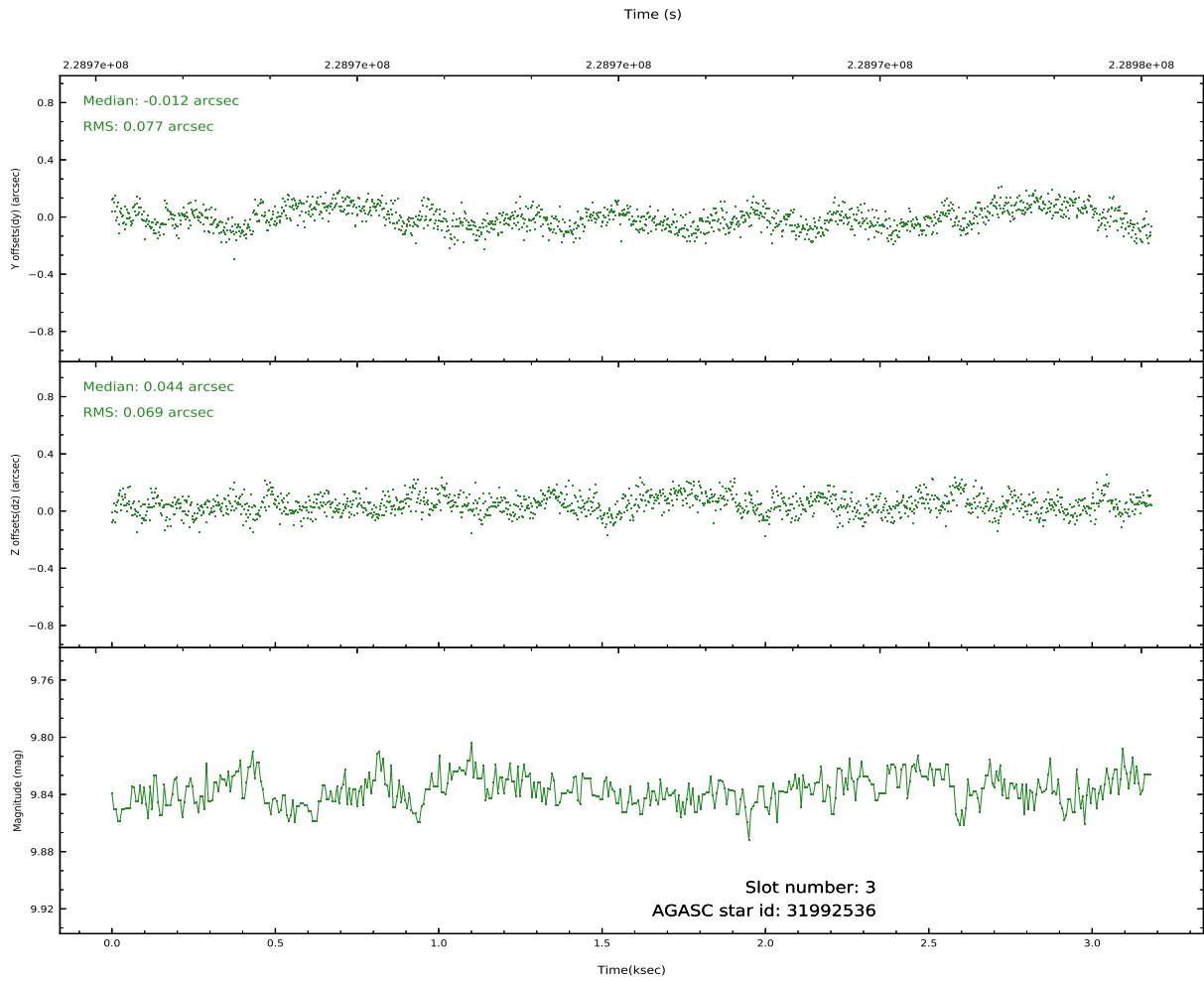
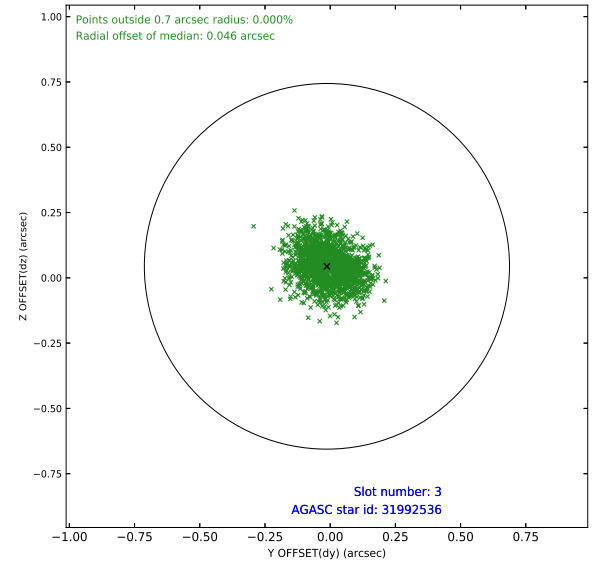
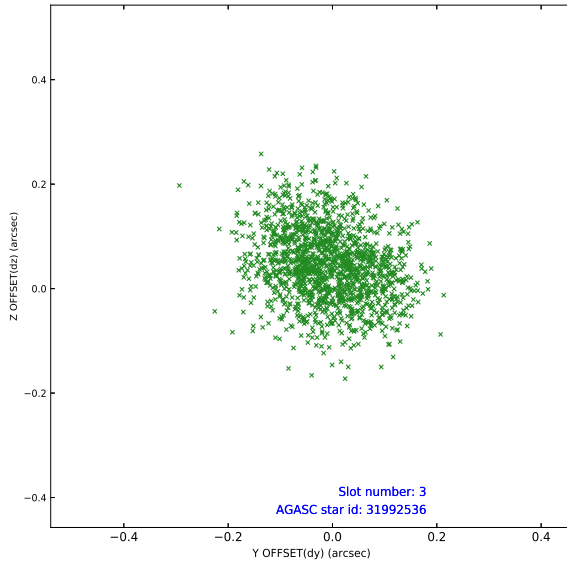


Slot Statistics

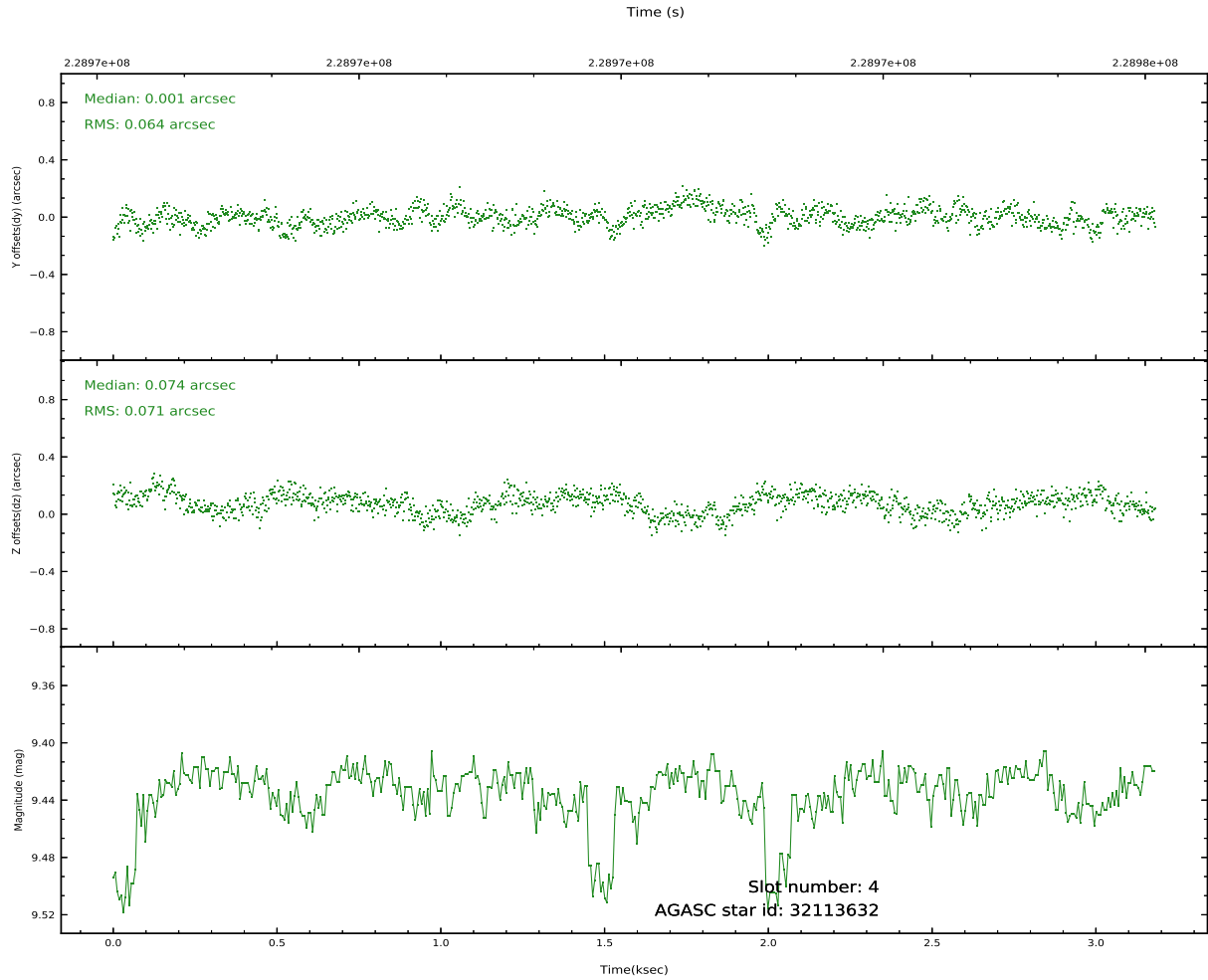
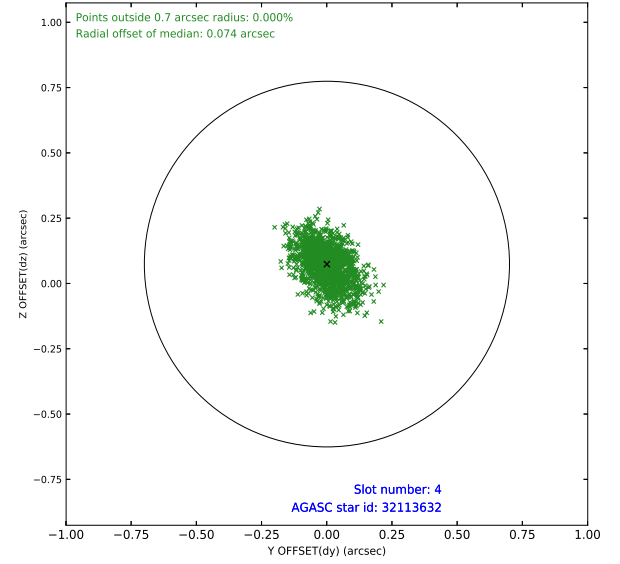
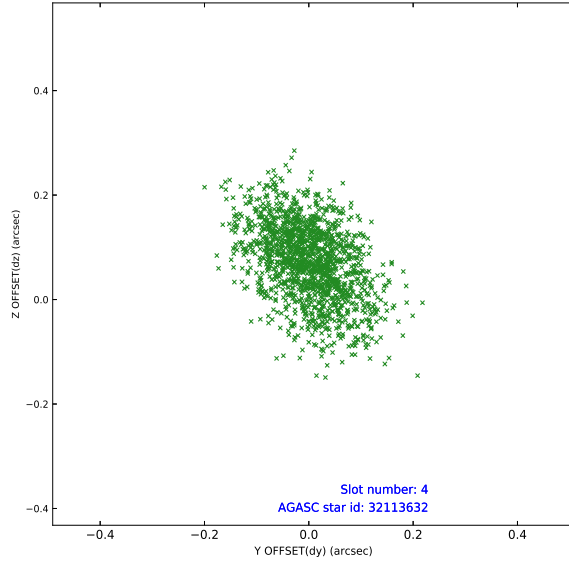
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.18	776	1.000	-0.002	-0.039	0.007	0.011	0.000000	0.000000	937.39	-1726
1	FID		ACIS-S-4	7.20	776	1.000	0.121	0.032	0.006	0.010	0.000000	0.000000	2156.03	176
2	FID		ACIS-S-5	7.23	776	1.000	-0.146	0.019	0.005	0.010	0.000000	0.000000	-1809.06	171
3	GUIDE	used	31992536	9.84	1553	1.000	-0.012	0.044	0.113	0.175	152.492178	0.502547	-1464.08	-480
4	GUIDE	used	32113632	9.43	1553	1.000	0.001	0.074	0.102	0.170	153.009600	0.266662	-908.66	1488
5	GUIDE	used	642652800	8.70	1552	1.000	0.100	-0.021	0.094	0.145	151.870568	-0.256860	1577.23	-2276
6	GUIDE	used	642781816	9.63	1551	1.000	0.134	0.119	0.115	0.181	152.509414	-0.089506	633.76	-97
7	GUIDE	used	31988016	8.94	1552	1.000	-0.229	-0.219	0.140	0.209	151.967682	0.697978	-1872.84	-2454

2.4 Star Slots

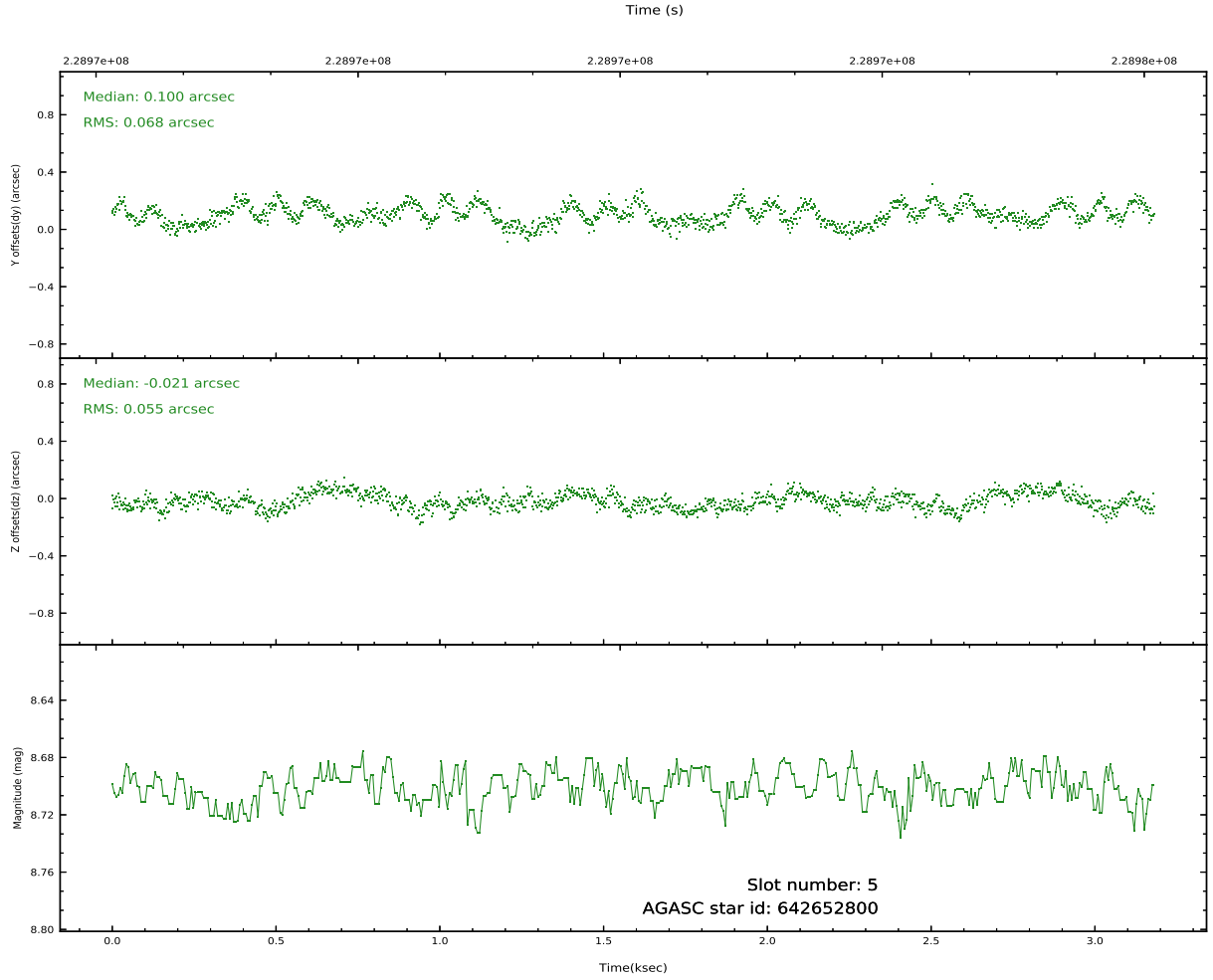
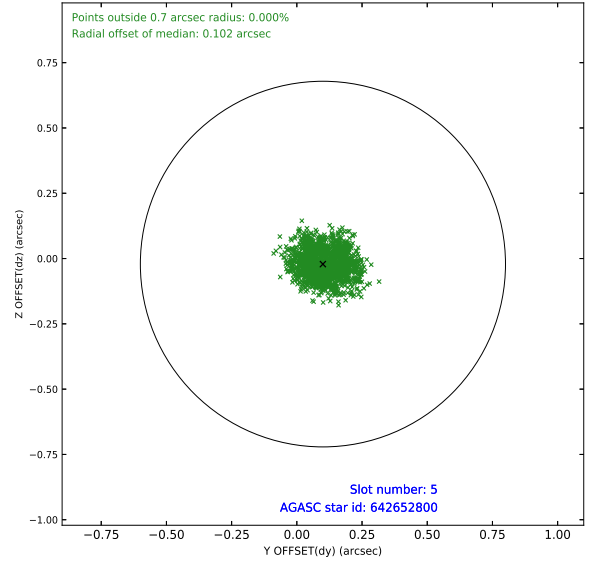
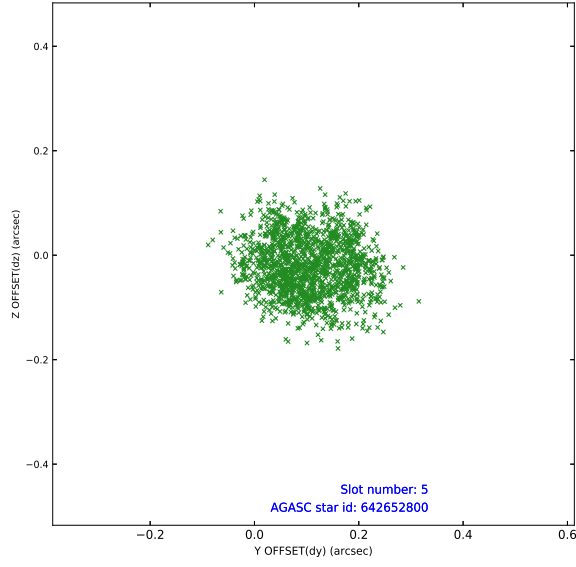
2.4.1 Slot 3



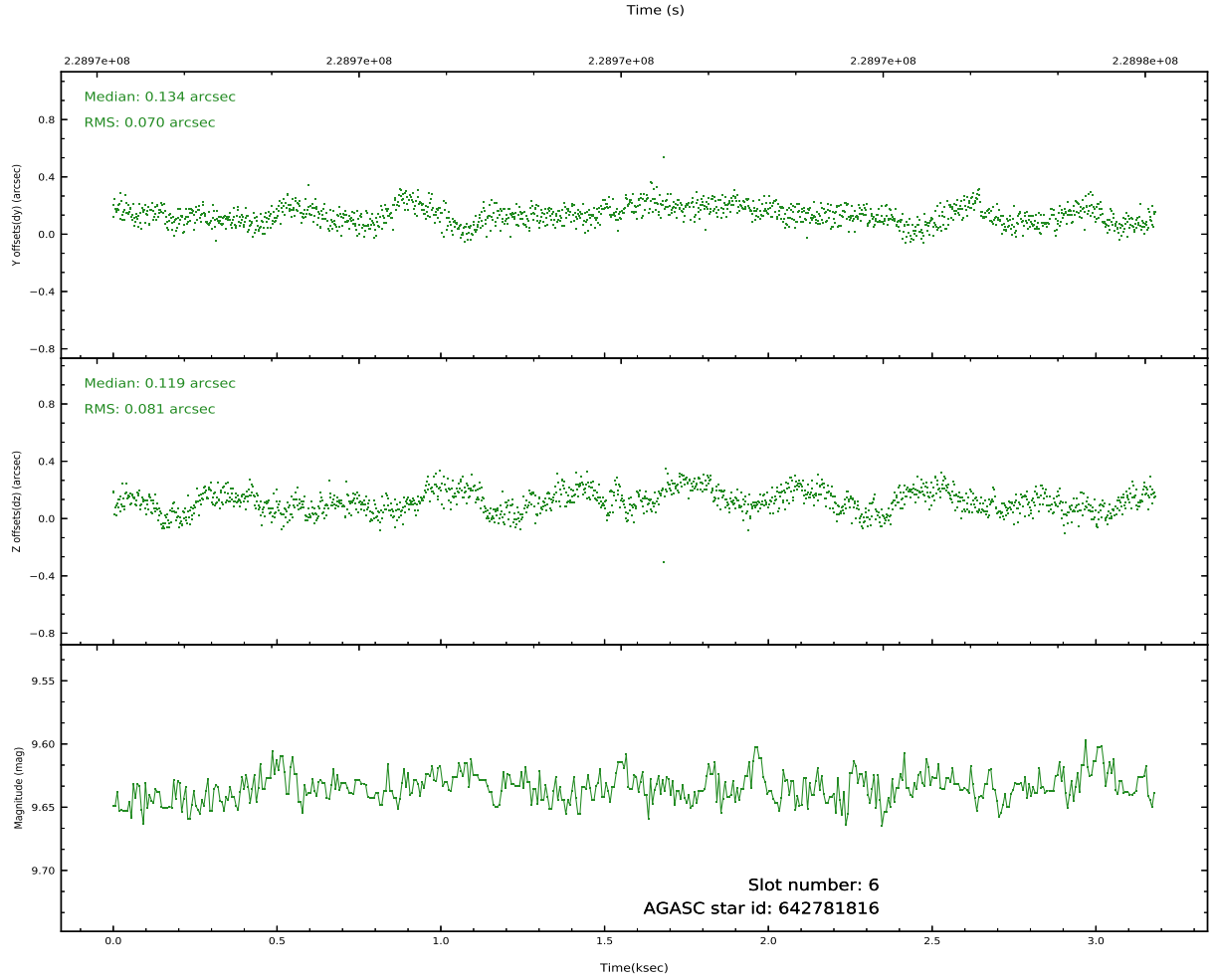
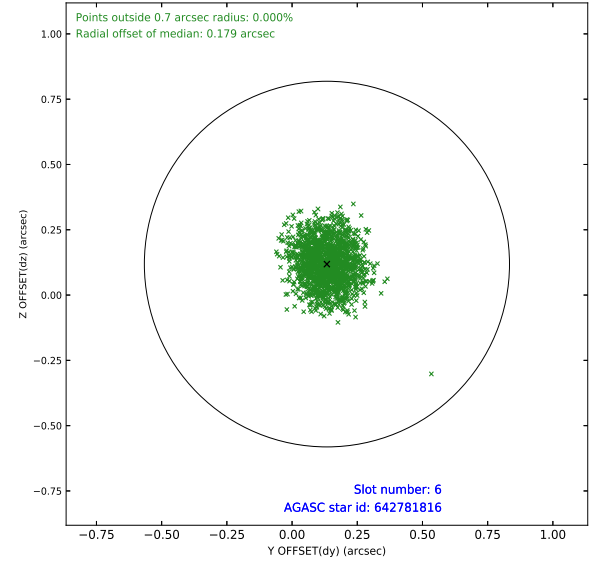
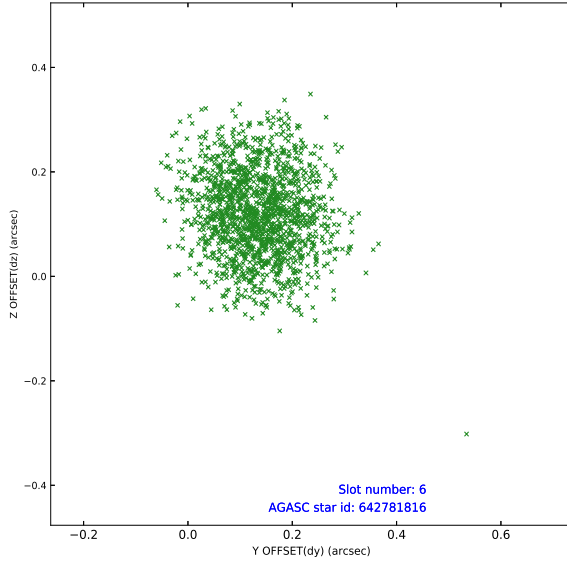
2.4.2 Slot 4



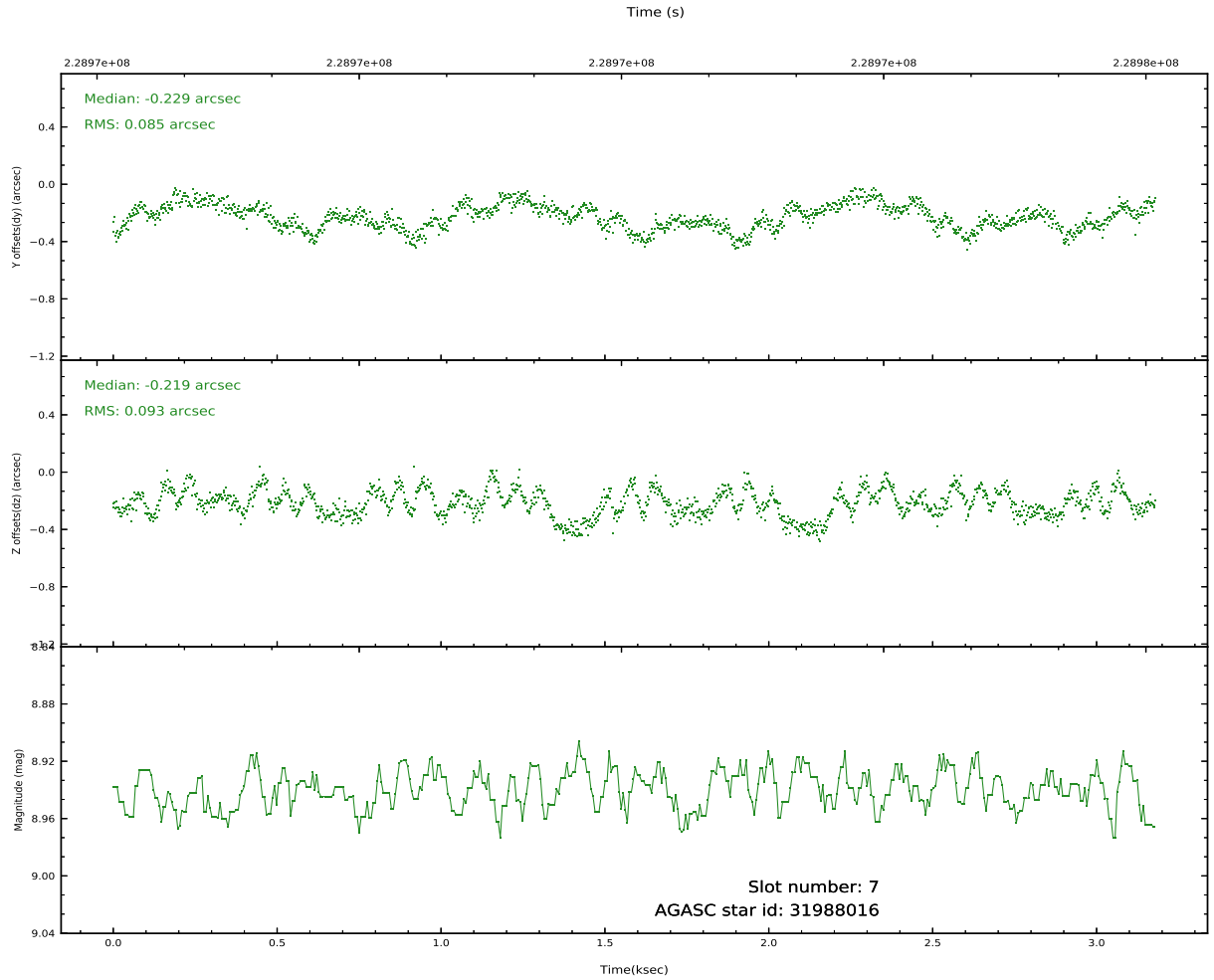
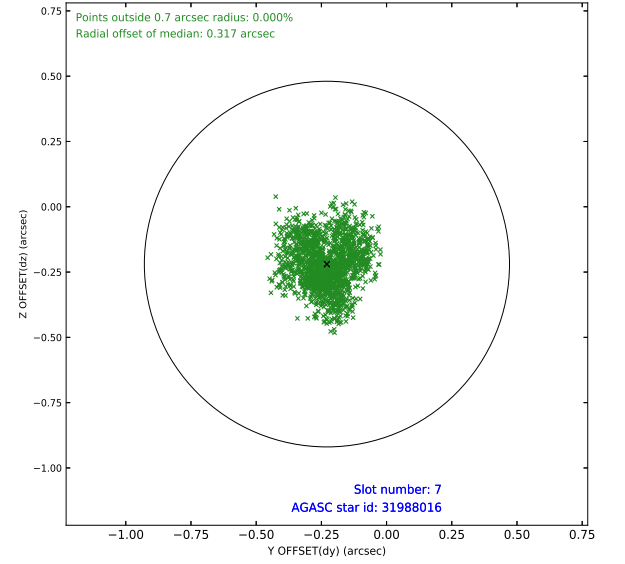
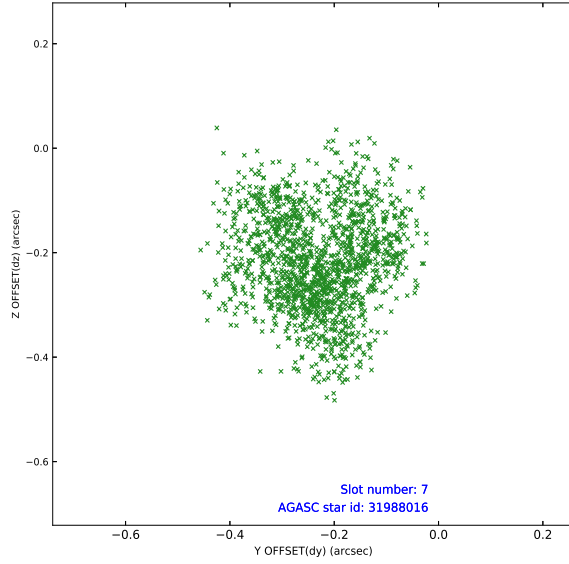
2.4.3 Slot 5



2.4.4 Slot 6

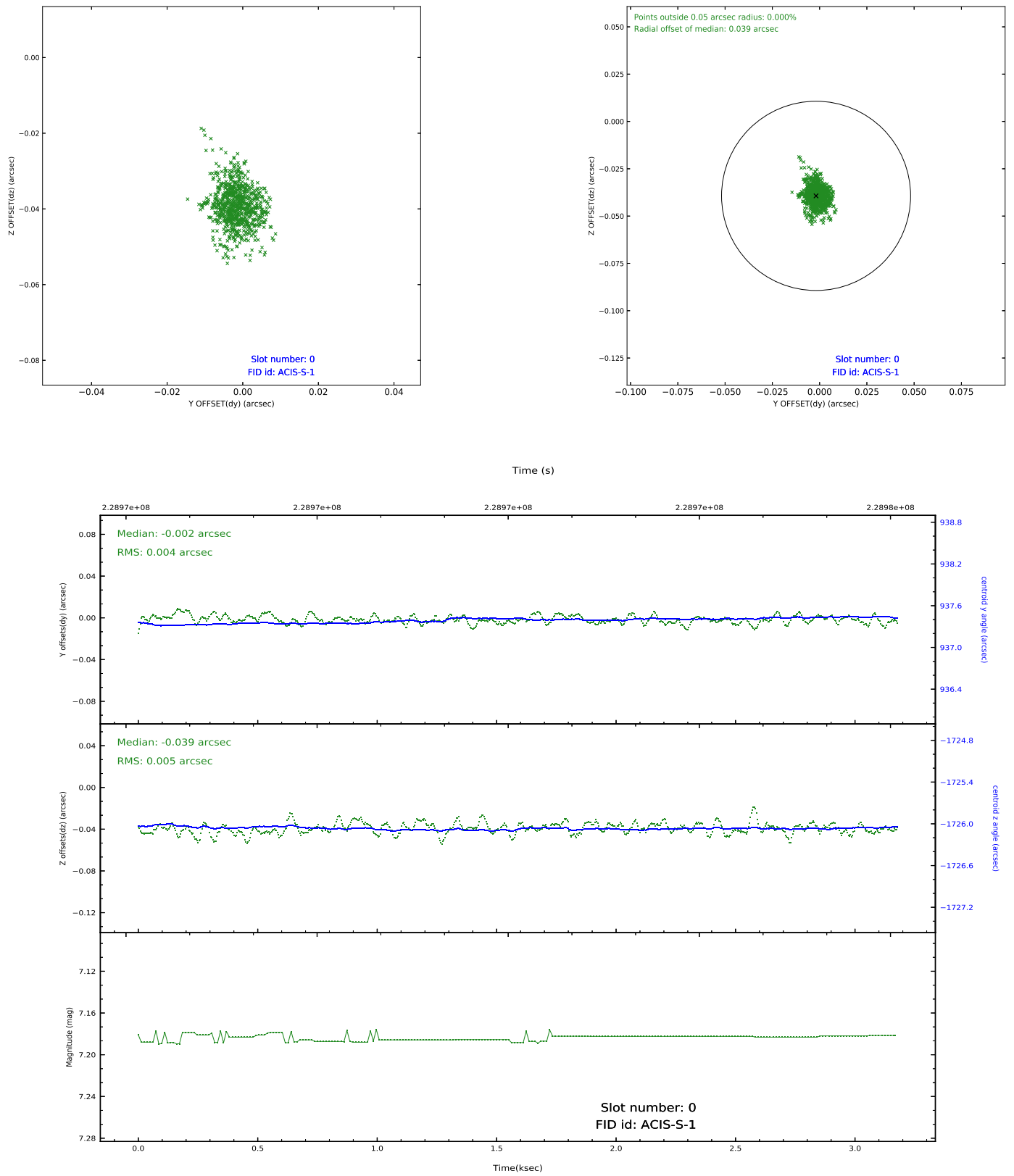


2.4.5 Slot 7

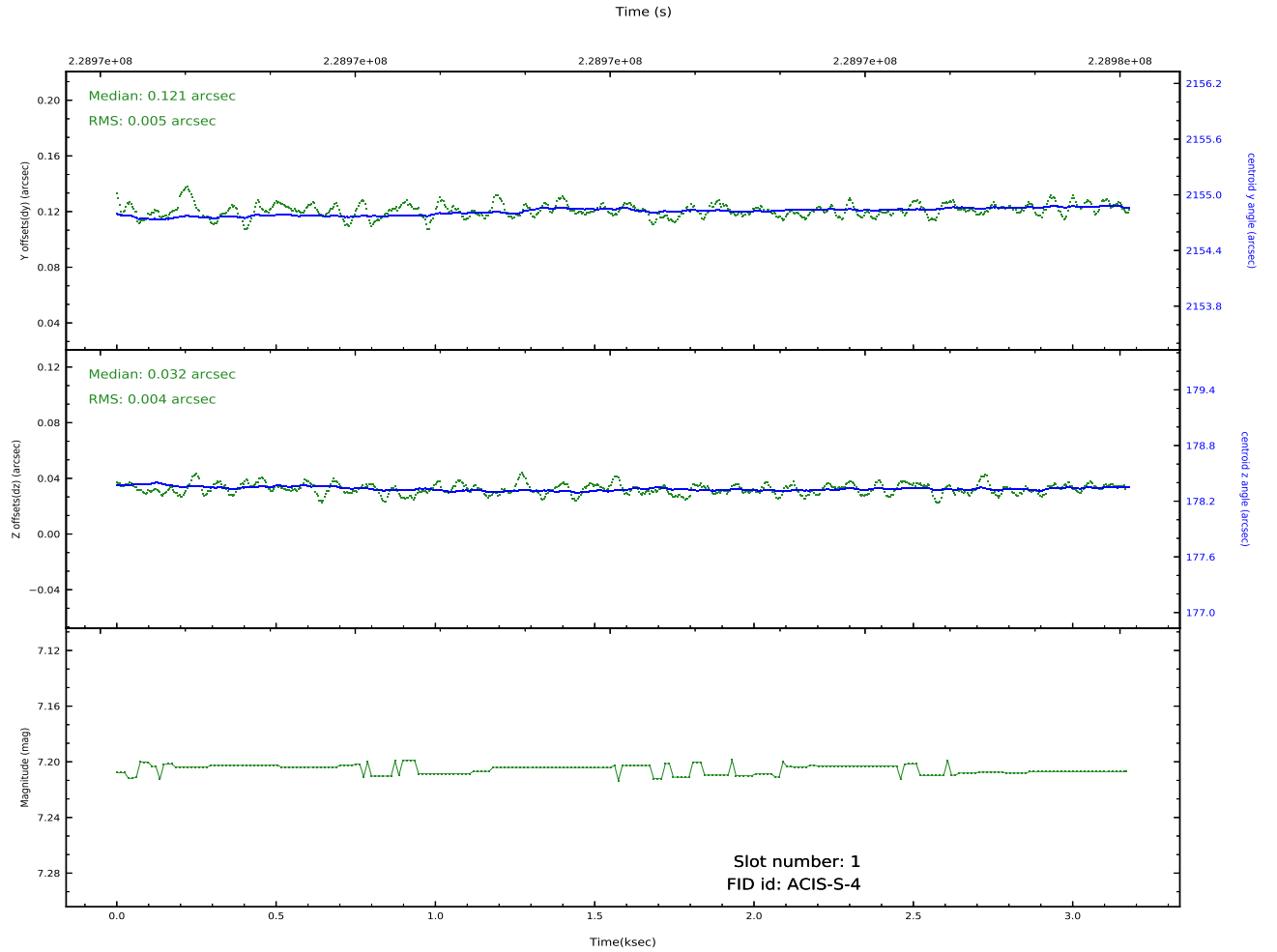
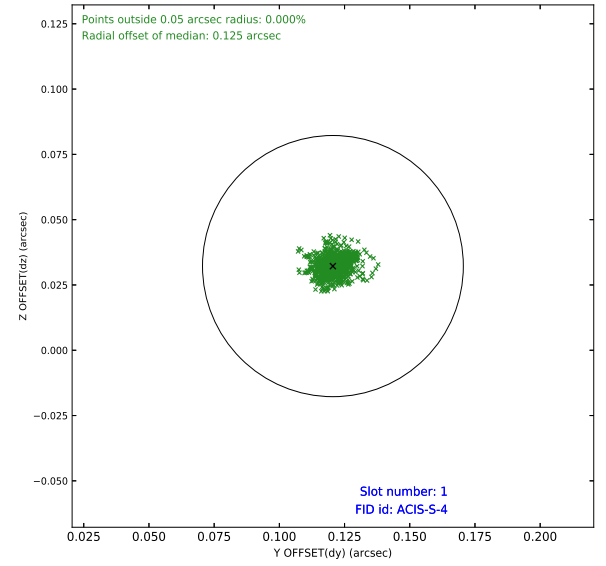
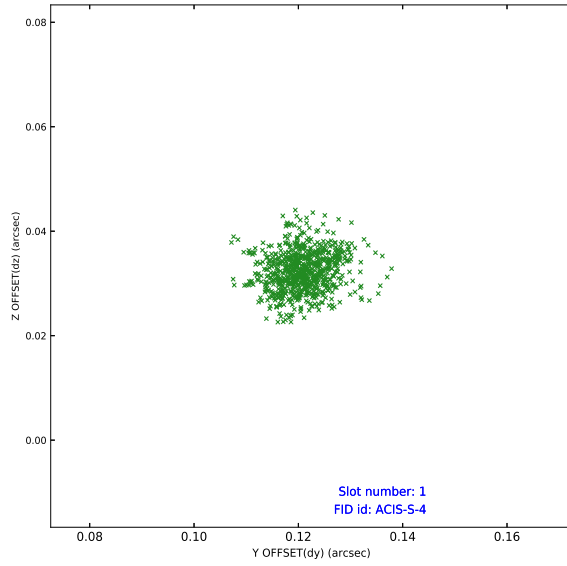


2.5 FID Slots

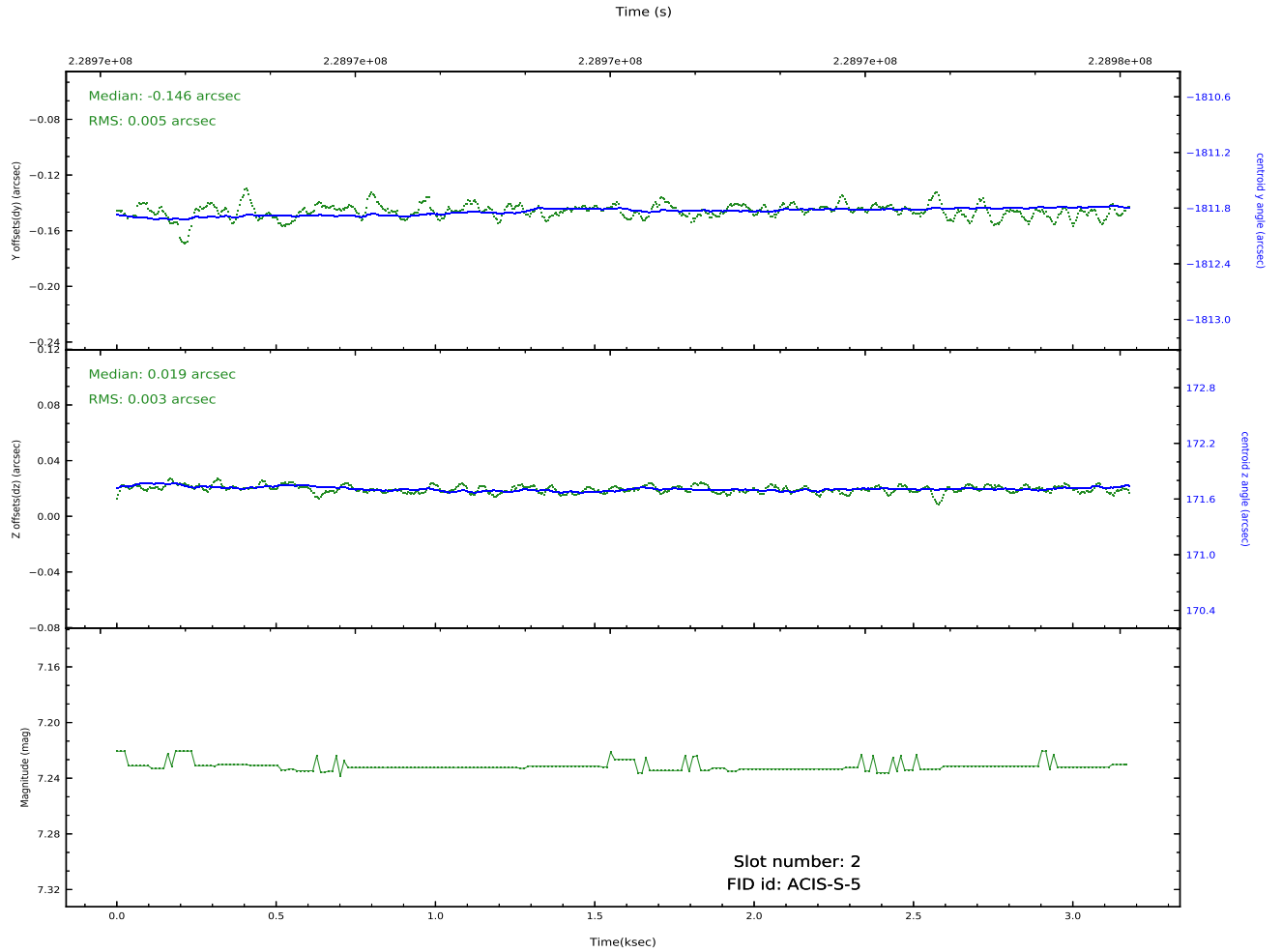
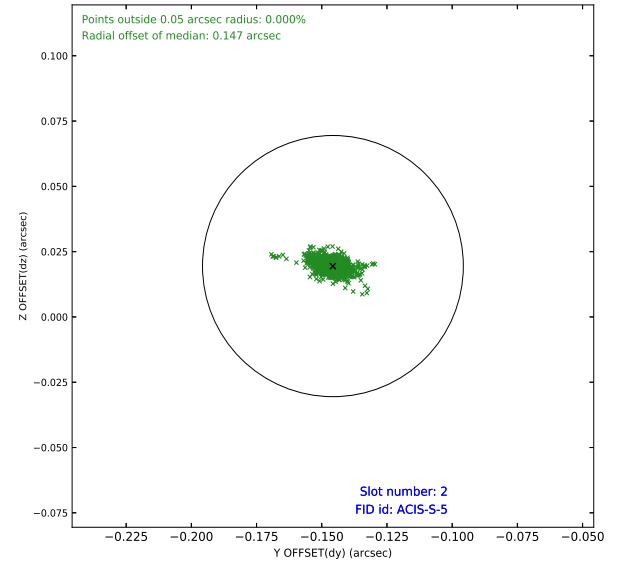
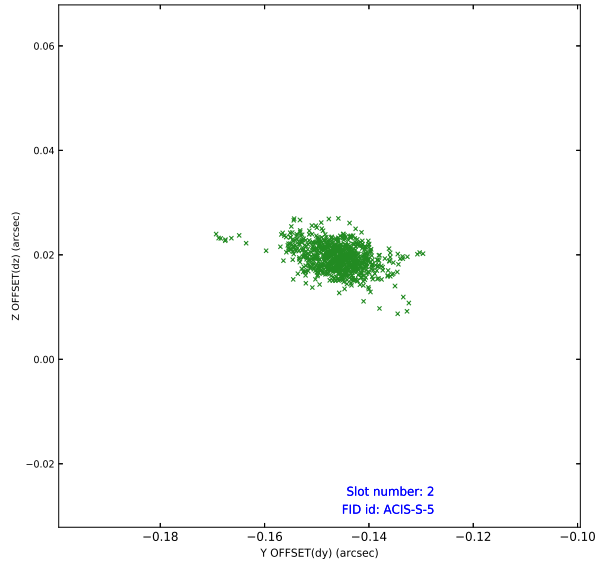
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1808

A.2 Comments